

MCDONNELL DOUGLAS

26 February 1997
C1-Q6C-SL-97-073

California Regional Water Quality Control Board
Los Angeles Region
101 Centre Plaza Drive
Monterey Park, CA. 91754

Attention: Technical Support Unit

Subject: **SUBMITTAL OF ANNUAL REPORT FOR NPDES PERMIT NO.
CA 0001414 - COMPLIANCE FILE NO. 5999 FOR 1996**

Attachments: 1) Tabular and Graphical Summaries of the Monitoring Data
Obtained During 1996 for Discharge Location 001
2) Copies of Laboratory Analyses

Gentlemen:

Douglas Aircraft Company herewith submits the annual report in accordance with the General Monitoring and Reporting Provision number 5999. The report contains tabular and graphical summaries of the monitoring data obtained during 1996. There was no water treatment chemical usage at the facility during 1996.

All analyses were conducted by Truesdail Laboratories of Tustin, California, in accordance with the current EPA guideline procedures or as specified in the Monitoring Program.

If you have general questions concerning this report, please contact Scott Lattimore, at the above listed phone number.

"I declare under penalty of perjury that the foregoing is true and correct", executed on the 26th day of February, 1997.

Sincerely,

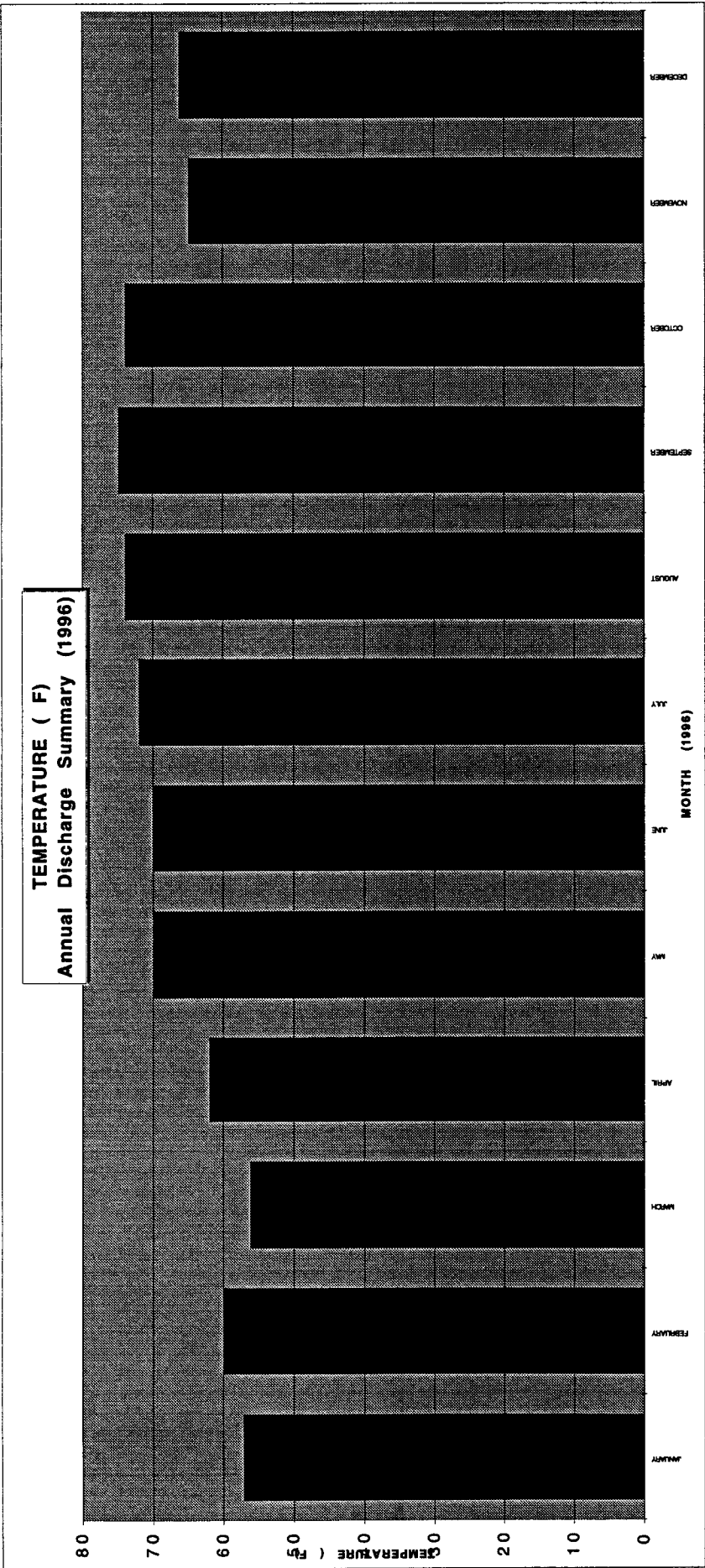


Scott Lattimore
Environmental Engineer
Safety, Health, and Environmental Affairs

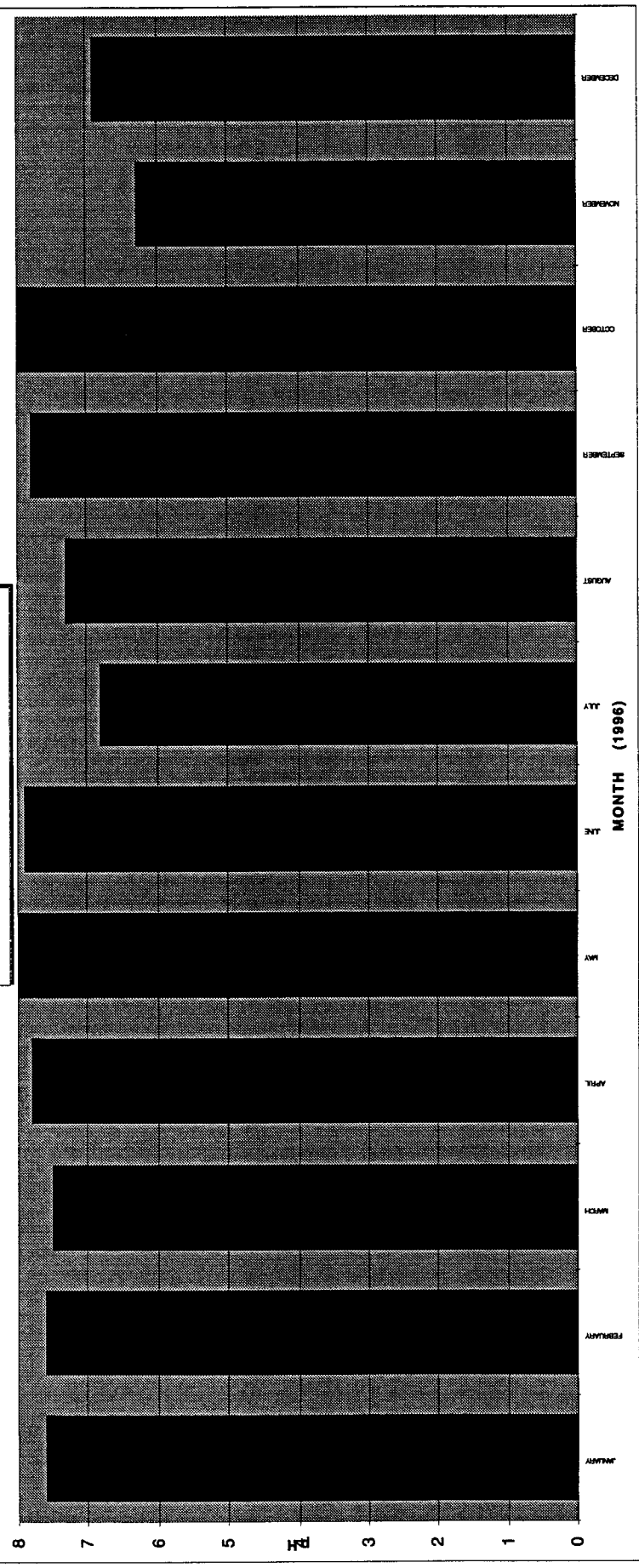
ANNUAL DISCHARGE SUMMARY NPDES CA001414
DOUGLAS AIRCRAFT COMPANY TORRANCE, CA FACILITY

PARAMETER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
TEMPERATURE (F)	57	60	56	62	70	70	72	74	75	74	65	66
pH	7.6	7.6	7.5	7.6	8	7.9	6.8	7.3	7.8	8	6.3	6.9
BOD5 @ 20 C (mg/l)												
SETTLABLE SOLIDS (mg/l)												
OIL & GREASE (mg/l)												
TOTAL SUSPENDED SOLIDS (mg/l)												
CHROMIUM (mg/l)												
96 HOUR BIOASSAY (% survival)												

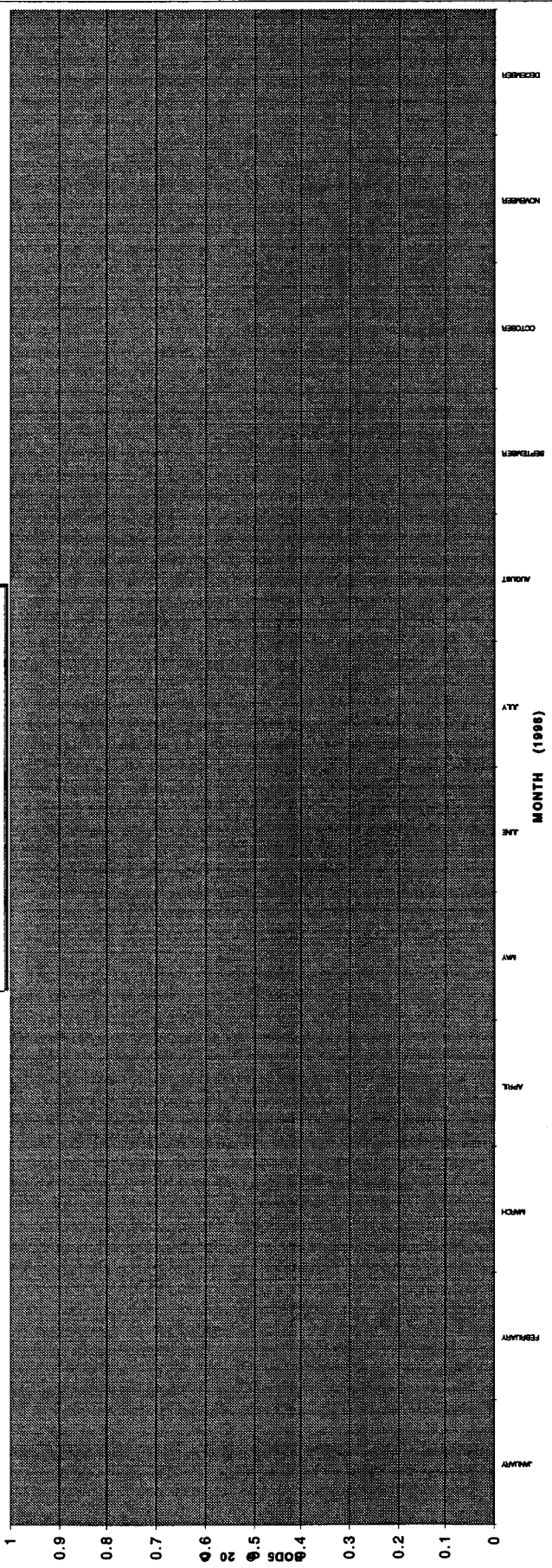
TABLE 1 - LABORATORY RESULTS FOR SAMPLES TAKEN FROM PERMIT LOCATION #001



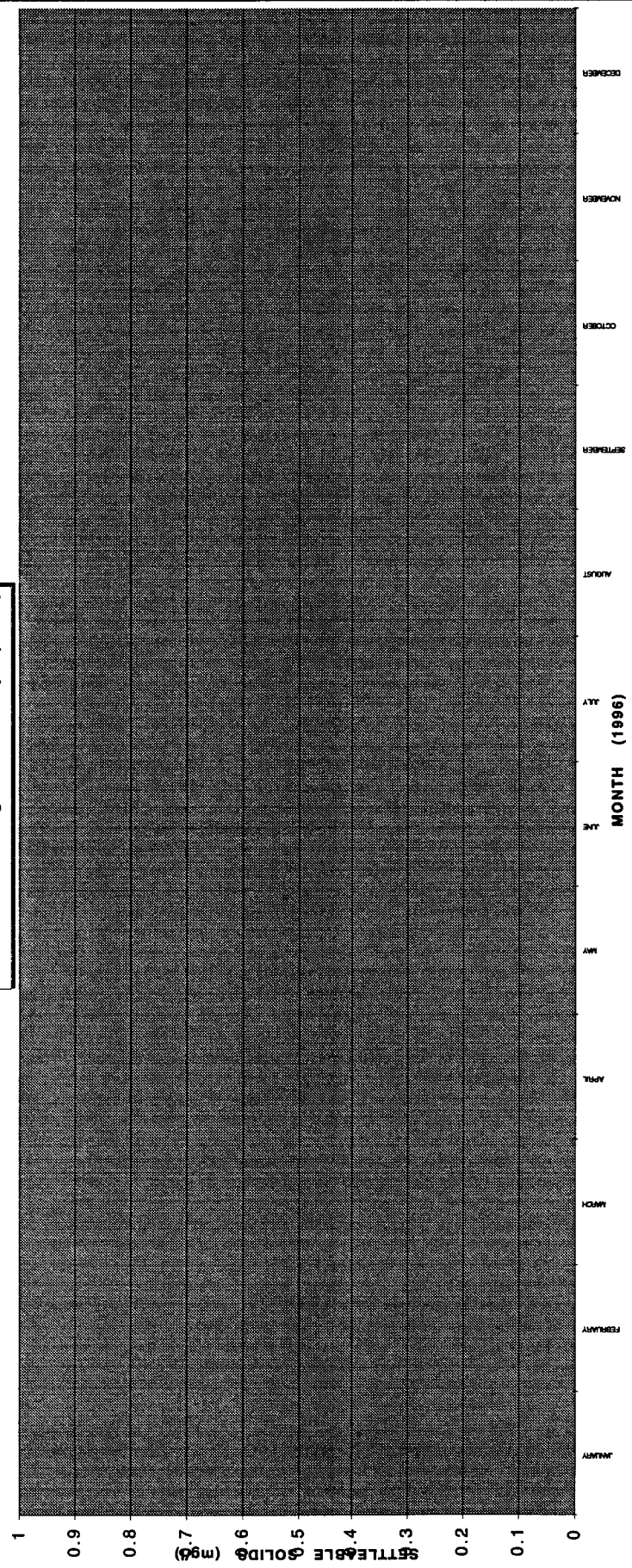
pH
Annual Discharge Summary (1996)



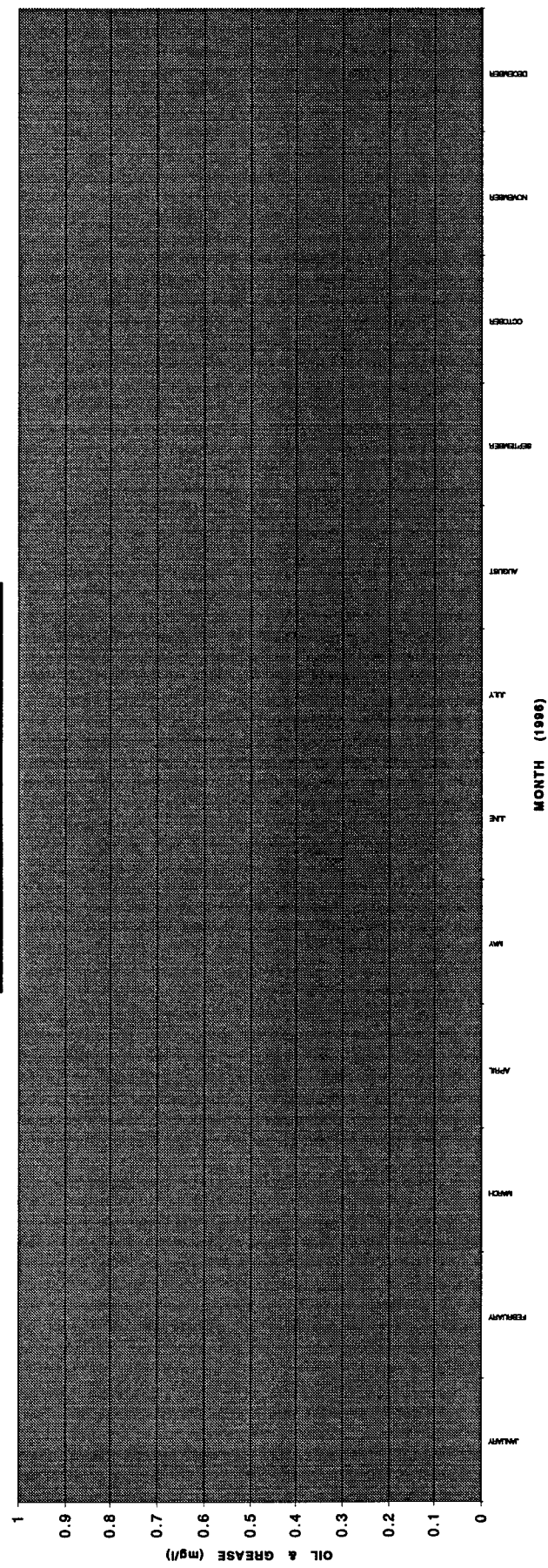
BOD5 @ 20 C
Annual Discharge Summary (1996)



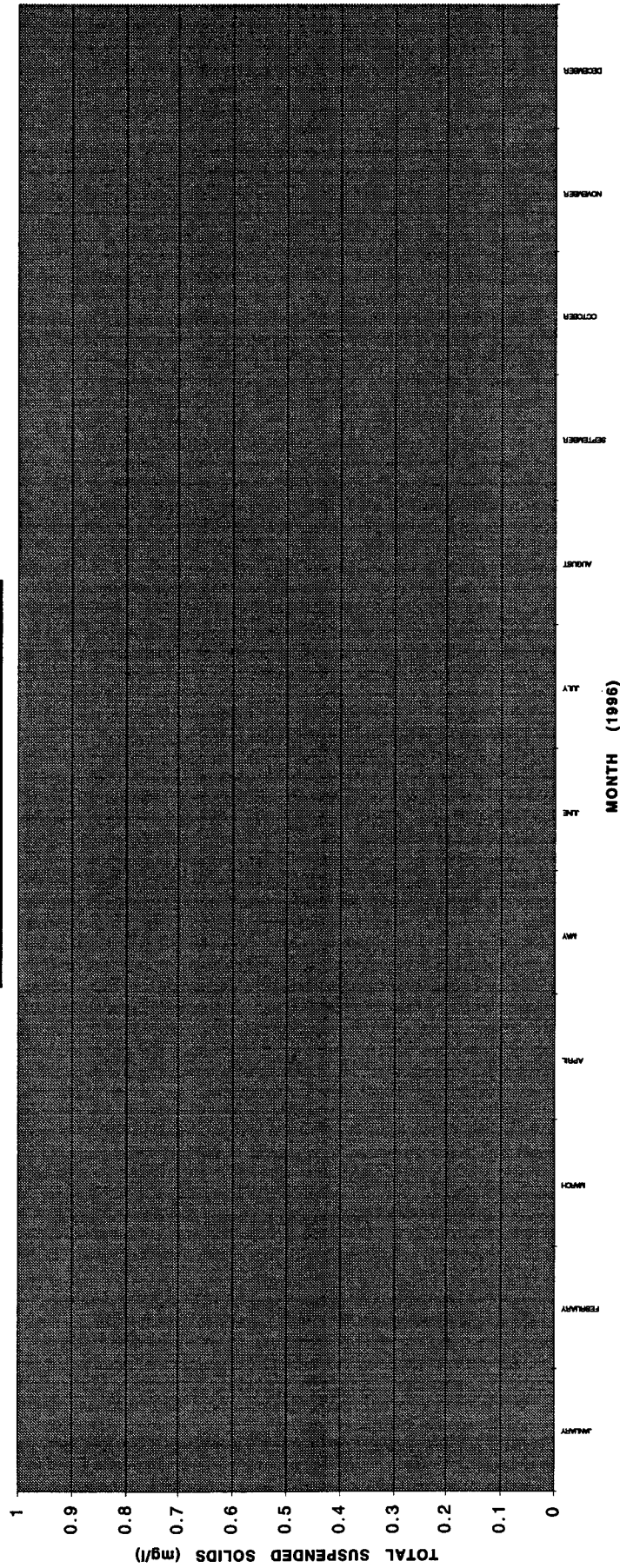
SETTLEABLE SOLIDS (mg/l)
Annual Discharge Summary (1996)



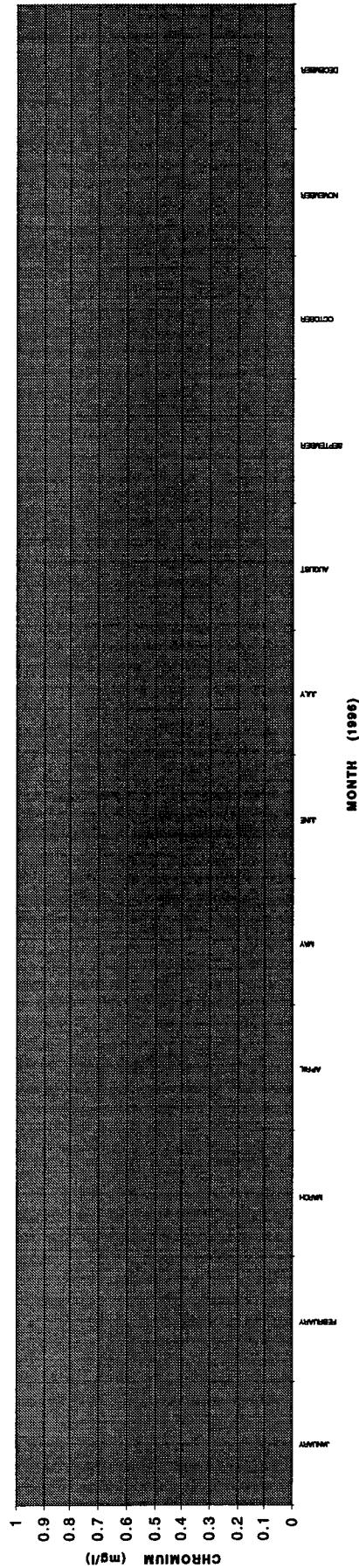
**OIL & GREASE (mg/l)
Annual Discharge Summary (1996)**



TOTAL SUSPENDED SOLIDS (mg/l)
Annual Discharge Summary (1996)



CHROMIUM (mg/l)
Annual Discharge Summary (1996)



REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS · MICROBIOLOGISTS · ENGINEERS
RESEARCH · DEVELOPMENT · TESTING
ESTABLISHED 1931



14201 FRANKLIN AVENUE
TUSTIN, CALIF. 92680
(714) 730-6239
FAX (714) 730-6462

CLIENT: Douglas Aircraft Company
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: Feb. 12, 1996

RECEIVED: Jan. 08, 1996

LABORATORY NUMBER: 86743-2

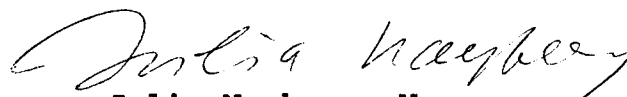
SAMPLE: Torrance Stormdrain
SAMPLE DATE: 01/05/96; 12:00

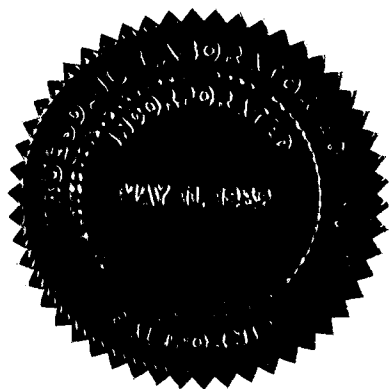
Analysis as Requested

RESULTS

Temperature °F	57
Total Flow, GPD	No Flow
pH, Units (EPA 150.1)	7.6

Respectfully Submitted,
Truesdail Laboratories, Inc.


Julia Nayberg, Manager
Water and Waste Laboratory



This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these Laboratories.

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TUSTIN, CALIF. 92680
(714) 730-6239
FAX (714) 730-6462

CLIENT: Douglas Aircraft Company
3855 Lakewood Blvd.
Long Beach, CA 90807
ATTN: Scott Lattimore

REPORT DATE: March 11, 1996

RECEIVED: Feb. 16, 1996

LABORATORY NUMBER: 89521

SAMPLE DATE: 02/16/96
SAMPLE I.D.: Torrance Stormdrain, next
to site #799
PERMIT NUMBER: NPDES # CA0001414

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

RESULTS

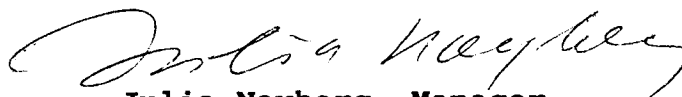
pH, Units (EPA 150.1)

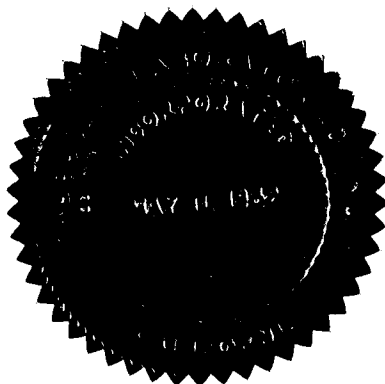
7.6

Temperature, °F

60

Respectfully Submitted,
Truesdail Laboratories, Inc.

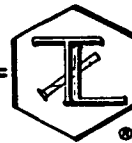

Julia Nayberg, Manager
Water and Waste Laboratory



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TUSTIN, CALIF. 92680
(714) 730-6239
FAX (714) 730-6462

CLIENT: Douglas
3855 Lakewood Blvd
Long Beach, CA 90807
ATTN: Scott Lattimore

REPORT DATE: March 12, 1996

RECEIVED: March 11, 1996

LABORATORY NUMBER: 89902

SAMPLE DATE: 03/08/96
SAMPLE I.D.: Torrance Stormdrain by #799
PERMIT NUMBER: NPDES # CA0001414

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

RESULTS

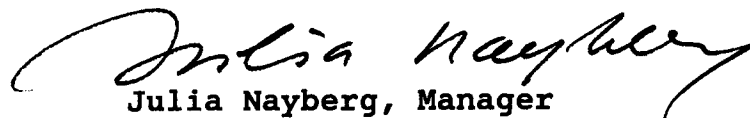
1, Units (EPA 150.1)

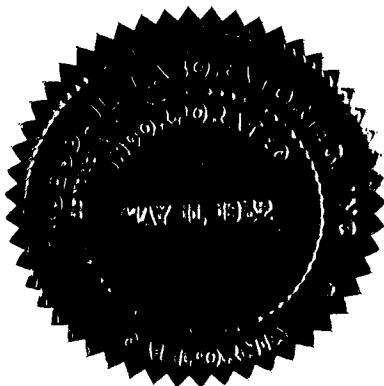
7.5

Temperature, °F

56

Respectfully Submitted,
Truesdail Laboratories, Inc.

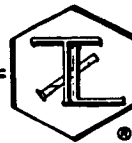

Julia Nayberg, Manager
Water and Waste Laboratory



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14201 FRANKLIN AVENUE
TUSTIN, CALIF. 92680
(714) 730-6239
FAX (714) 730-6462

CLIENT: McDonnell Douglas Aircraft
3855 Lakewood Blvd
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: April 11, 1996

RECEIVED: April 05, 1996

LABORATORY NUMBER: 87393

SAMPLE DATE: 04/05/96
SAMPLE SITE: Torrance Stormdrain, next
to site, #799
PERMIT NUMBER: NPDES #CA0001414

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

RESULTS

Total Flow, GPD

No Flow

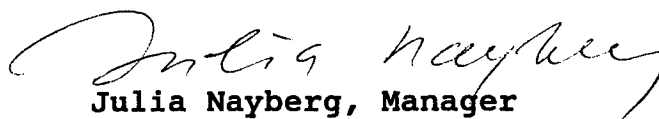
Temperature, °F

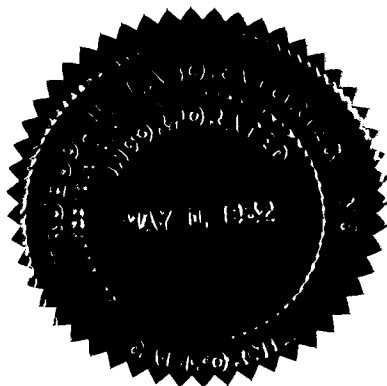
62

pH, Units (EPA 150.1)

7.8

Respectfully Submitted,
Truesdail Laboratories, Inc.


Julia Nayberg, Manager
Water and Waste Laboratory



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REPORT**TRUESDAIL LABORATORIES, INC.**

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TUSTIN, CALIF. 92680
(714) 730-6239
FAX (714) 730-6462

CLIENT: Douglas
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: April 12, 1996

RECEIVED: April 05, 1996

LABORATORY NUMBER: 87394

SAMPLE DATE: 04/05/96
SAMPLE SITE: Torrance Stormdrain,
next to site #799
PERMIT NUMBER: NPDES #CA0001414

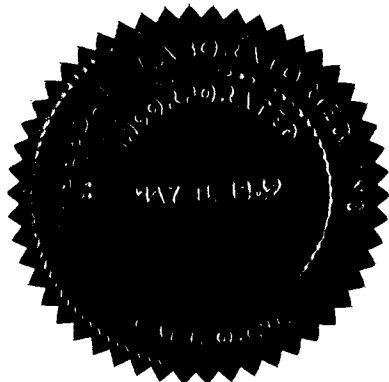
QUARTERLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED**RESULTS**

total Flow, GPD

no flow

<u>PARAMETER</u>	<u>METHOD</u>	<u>DETECTION</u> <u>LIMIT</u>	<u>MILLIGRAMS PER LITER</u> <u>CONCENTRATION</u>	<u>DATE OF</u> <u>ANALYSIS</u>
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NO SAMPLES PER: SCOTT LATTIMORE 04/05/96



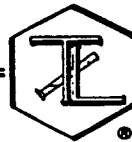
Respectfully Submitted,
Truesdail Laboratories, Inc.

Julia Nayberg, Manager
Water and Waste Laboratory

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14201 FRANKLIN AVENUE
TUSTIN, CALIF. 92680
(714) 730-6239
FAX (714) 730-6462

CLIENT: Douglas Aircraft Company
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: May 20, 1996

RECEIVED: May 10, 1996

LABORATORY NUMBER: 91001

SAMPLE DATE: 05/10/96, 10:25
SAMPLE SITE: Torrance Stormdrain next to site #799
PERMIT NUMBER: NPDES #CA0001414

Monthly Industrial Wastewater Analysis, as Requested

RESULTS

pH, Units (EPA 150.1)

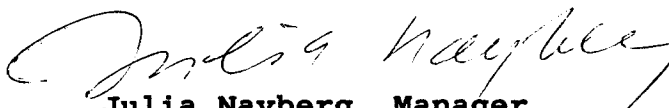
8.0*

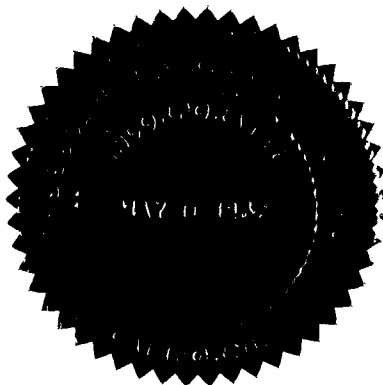
Temperature, °F

70

* Field pH.

Respectfully Submitted,
Truesdail Laboratories, Inc.

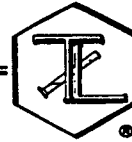

Julia Nayberg, Manager
Water and Waste Laboratory



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TRUESDAIL LABORATORIES, INC.



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TUSTIN, CALIF. 92680
(714) 730-6239
FAX (714) 730-6462

CLIENT: Douglas Aircraft Company
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: June 17, 1996

RECEIVED: June 10, 1996

LABORATORY NUMBER: 91434

SAMPLE DATE & TIME: 06/07/96, 09:20
SAMPLE SITE: Torrance Stormdrain, next to
site #799
PERMIT NUMBER: NPDES #CA0001414

Monthly Industrial Wastewater Analysis, as Requested

RESULTS

Temperature, °F

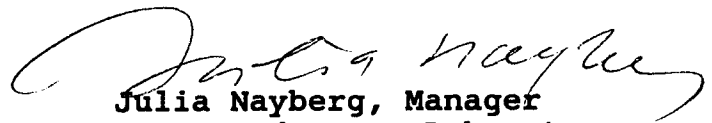
70

pH, Units (EPA 150.1)

7.9*

* Field pH.

Respectfully Submitted,
Truesdail Laboratories, Inc.


Julia Nayberg, Manager
Water and Waste Laboratory



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14201 FRANKLIN AVENUE
TUSTIN, CALIF. 92680
(714) 730-6239
FAX (714) 730-6462

CLIENT: Douglas Aircraft Company
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: July 15, 1996

RECEIVED: July 12, 1996

LABORATORY NUMBER: 91921

SAMPLE DATE & TIME: 07/12/96, 09:00
SAMPLE SITE: Torrance Stormdrain
next to site #799
PERMIT NUMBER: NPDES #CA0001414

Monthly Industrial Wastewater Analysis, as Requested

RESULTS

pH, Units (EPA 150.1)

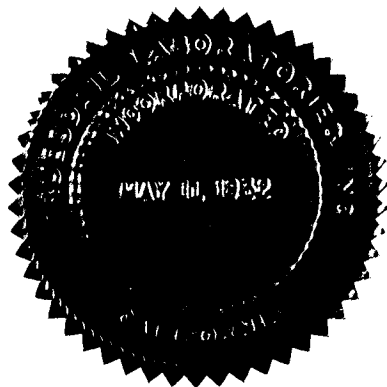
6.8

Temperature, °F

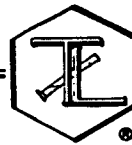
72

Respectfully Submitted,
Truesdail Laboratories, Inc.

Julia Nayberg, Manager
Water and Waste Laboratory



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REPORT**TRUESDAIL LABORATORIES, INC.**

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14201 FRANKLIN AVENUE
TUSTIN, CALIFORNIA 92780
(714) 730-6239
FAX (714) 730-6462

CLIENT: McDonnell Douglas Aircraft
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: July 29, 1996

RECEIVED: July 15, 1996

LABORATORY NUMBER: 91936

SAMPLE DATE & TIME: 07/12/96, 09:00
SAMPLE SITE: Torrance Stormdrain, next to
site #799
PERMIT NUMBER: NPDES #CA0001414

Quarterly Industrial Wastewater Analysis, as Requested

RESULTS

Total Flow, GPD

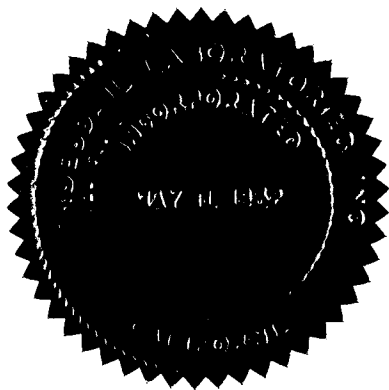
No Flow

<u>PARAMETER</u>	<u>METHOD</u>	<u>DETECTION</u> <u>LIMIT</u>	<u>MILLIGRAMS PER LITER</u> <u>CONCENTRATION*</u>	<u>DATE OF</u> <u>ANALYSIS</u>
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No Samples

Respectfully Submitted,
Truesdail Laboratories, Inc.

Julia Nayberg
Julia Nayberg, Manager
Water and Waste Laboratory



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TUSTIN, CALIFORNIA 92780
(714) 730-6239
FAX (714) 730-6462

CLIENT: McDonnell Douglas Aircraft
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: August 07, 1996

RECEIVED: August 06, 1996

LABORATORY NUMBER: 92266

SAMPLE DATE & TIME: 08/02/96, 8:55
SAMPLE SITE: Torrance Stormdrain, next to
site #799
PERMIT NUMBER: NPDES #CA0001414

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

RESULTS

Total Flow, GPD

No Flow

Temperature, °F

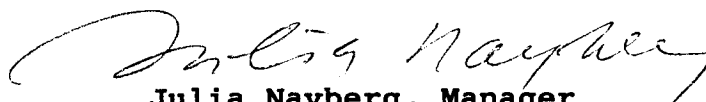
74

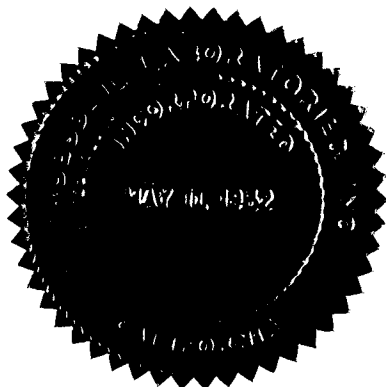
pH, Units

7.3*

* field pH.

Respectfully Submitted,
Truesdail Laboratories, Inc.


Julia Nayberg, Manager
Water and Waste Laboratory



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TUSTIN, CALIFORNIA 92780
(714) 730-6239
FAX (714) 730-6462

CLIENT: McDonnell Douglas Aircraft
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: Sept. 12, 1996

RECEIVED: Sept. 06, 1996

LABORATORY NUMBER: 92708

SAMPLE DATE: 09/06/96
SAMPLE SITE: Torrance Stormdrain, next to site #799
PERMIT NUMBER: NPDES #CA0001414

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

RESULTS

Total Flow, GPD

No Flow


Temperature, °F

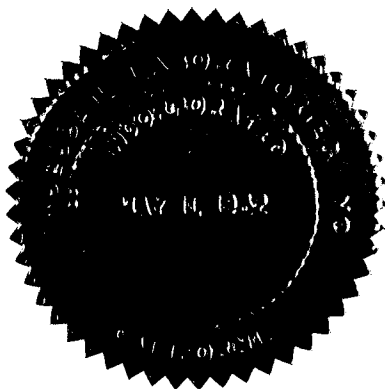
75

pH, Units

7.8

Respectfully Submitted,
Truesdail Laboratories, Inc.

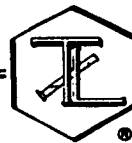

Julia Nayberg, Manager
Water and Waste Laboratory



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14201 FRANKLIN AVENUE
TUSTIN, CALIFORNIA 92780
(714) 730-6239
FAX (714) 730-6462

CLIENT: McDonnell Douglas Aircraft
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: Oct. 04, 1996

RECEIVED: Oct. 03, 1996

LABORATORY NUMBER: 94086

SAMPLE DATE & TIME: 10/03/96, 09:25
SAMPLE SITE: Torrance Stormdrain, next to site #799
PERMIT NUMBER: NPDES #CA0001414

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

RESULTS

Total Flow, GPD

No Flow

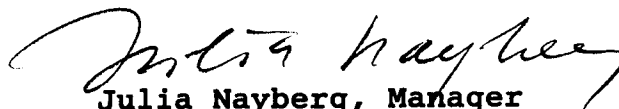
Temperature, °F

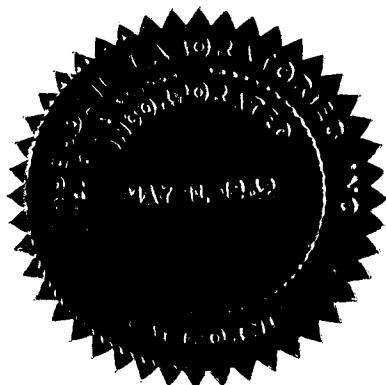
74

pH, Units

8.0

Respectfully Submitted,
Truesdail Laboratories, Inc.


Julia Nayberg, Manager
Water and Waste Laboratory

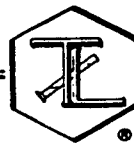


This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising of publicity matter without prior written authorization from these Laboratories.

REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS · MICROBIOLOGISTS · ENGINEERS
RESEARCH · DEVELOPMENT · TESTING
ESTABLISHED 1931



14201 FRANKLIN AVENUE
TUSTIN, CALIFORNIA 92780
(714) 730-6239
FAX (714) 730-6462

CLIENT: McDonnell Douglas Aircraft
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: Oct. 22, 1996

RECEIVED: Oct. 08, 1996

LABORATORY NUMBER: 94138

SAMPLE DATE & TIME: 10/03/96, 09:25
SAMPLE SITE: Torrance Stormdrain,
next To #799
PERMIT NUMBER: NPDES #CA0001414

QUARTERLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

RESULTS

Total Flow, GPD

No Flow *

Due to no flow, no samples were collected.



Respectfully Submitted,
Truesdail Laboratories, Inc.

Julia Nayberg
Julia Nayberg, Manager
Water and Waste Laboratory

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CLIENT: McDonnell Douglas Aircraft
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: Nov. 06, 1996

RECEIVED: Nov. 04, 1996

LABORATORY NUMBER: 94547

SAMPLE DATE & TIME: 11/01/96, 22:12
SAMPLE SITE: Torrance Stormdrain,
next to #799
PERMIT NUMBER: NPDES #CA0001414

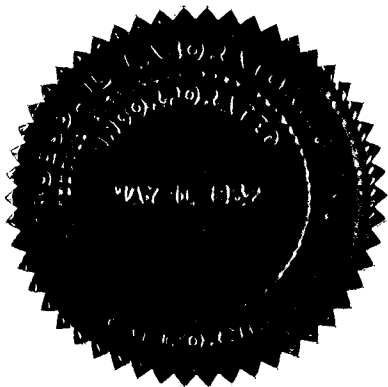
MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

RESULTS

, Units (EPA 150.1)
Temperature, °F
Total Flow, GPD

6.3
65
No Flow *

* Due to no flow, no samples were collected.



Respectfully Submitted,
Truesdail Laboratories, Inc.

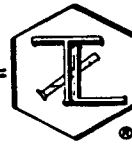
Julia Nayberg
Julia Nayberg, Manager
Water and Waste Laboratory

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REPORT

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FAX (714) 730-6462

CLIENT: McDonnell Douglas Aircraft
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: Nov. 19, 1996

RECEIVED: Nov. 04, 1996

LABORATORY NUMBER: 94548

SAMPLE DATE & TIME: 11/01/96, 10:15
SAMPLE SITE: Torrance Stormdrain,
next to #799
PERMIT NUMBER: NPDES #CA0001414

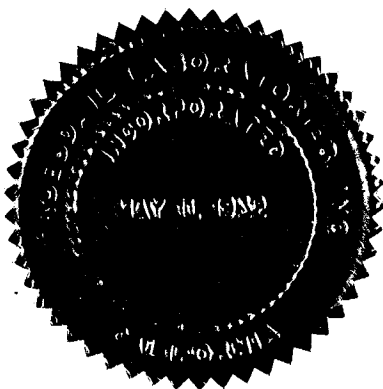
QUARTERLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

RESULTS

Total Flow, GPD

No Flow *

* Due to no flow, no samples were collected.



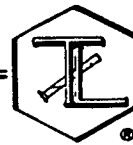
Respectfully Submitted,
Truesdail Laboratories, Inc.

Julia Nayberg
Julia Nayberg, Manager
Water and Waste Laboratory

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REPORT

TRUESDAIL LABORATORIES, INC.



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FAX (714) 730-6462

CLIENT: McDonnell Douglas Aircraft
3855 Lakewood Blvd.
Long Beach, CA 90846
ATTN: Scott Lattimore

REPORT DATE: Dec. 10, 1996

RECEIVED: Dec. 06, 1996

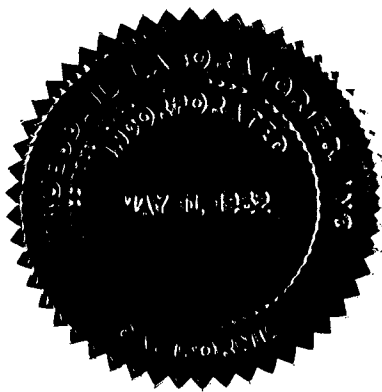
LABORATORY NUMBER: 95083-2

SAMPLE DATE & TIME: 12/06/96; 09:10 AM
SAMPLE SITE: Torrance Stormdrain,
next to #799
PERMIT NUMBER: NPDES #CA0001414

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

RESULTS

() l, Units (EPA 150.1)	6.9
Temperature, °F	66
*Total Flow, GPD	
* Estimate of 5.0 GPM	



Respectfully Submitted,
Truesdail Laboratories, Inc.

Julia Nayberg
Julia Nayberg, Manager
Water and Waste Laboratory

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